INTERNATIONAL SEARCH REPORT

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Rec'd	PCT/EP 03/11173	APR	200

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A. CLASSII IPC 7	FICATION OF SUBJECT MATTER E21B47/04 G01V3/30			
According to	o International Patent Classification (IPC) or to both national classifica	ation and IPC		
B. FIELDS	SEARCHED			
Minimum do IPC 7	cumentation searched (classification system followed by classification E21B G01V	on symbols)		
Documentat	ion searched other than minimum documentation to the extent that s	uch documents are inclu	ded in the fields sea	rched .
EPO-In	ata base consulted during the international search (name of data bas	se and, where practical,	search terms used)	
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages		Relevant to claim No.
X	FR 2 402 188 A (ELECTRIC POWER RE 30 March 1979 (1979-03-30) page 4, line 17 - line 26 page 6, line 24 - line 28 page 7, line 8 - line 10 page 7, line 27 - line 28; figure			1,3,5,10
A	US 5 233 522 A (SINCLAIR PAUL L) 3 August 1993 (1993-08-03) column 2, line 39 - line 63; figu	re 1		1,10
A	FR 2 613 842 A (CHEVRON RES) 14 October 1988 (1988-10-14) claim 1; figures 1,3			1,10
	<u></u> .	-/		•
X Funt	ner documents are listed in the continuation of box C.	X Patent family r	nembers are listed in	annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the internation in cor priority date and not in conflict with cited to understand the priority date of the art which is not cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the cannot be considered to involve an inventive and inventive and inventive and inventive an inventive an inventive and invention and invention. 			the application but early underlying the claimed invention to considered to cournent is taken alone claimed invention ventive step when the ore other such docuus to a person skilled	
	actual completion of the international search	_	he international sear	ch report
2	6 February 2004	03/03/2	JU4	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Dantinn	e, P	

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A	GB 2 355 477 A (BAKER HUGHES INC) 25 April 2001 (2001-04-25) page 5, line 15 - line 16; figure 1 page 6, line 5 - line 7 page 19, line 18 - line 23		1,10			
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